

University Research Committee - Oakland University
Annual Report: 2016-2017
(Recipient: senate@oakland.edu)

Charge

To encourage and promote research, scholarship, and creative endeavors among the faculty of the University. The Committee's responsibilities include, in particular, the evaluation of applications for intramural research funds and the allocation of these funds. More generally, they include the protection and development of practices and policies conducive to scholarly activity at Oakland University. (Revision submitted 4/21/2017)

Membership

Rodriguez, Julia (KL) 2015-2017, CHAIR
Stone, David (Associate Vice President for Research) Ex-officio and non-voting
Smith, Julia (SEHS, Organizational Leadership), 2015-2017
Yu-Thompson, Yin (SBA, Accounting), 2015-2017
Eddie Cheng (Department of Mathematics and Statistics) 2016-2017
Penprase, Barbara (NRS) 2016-2017 (Graduate Council Representative)
Zhang, Dao Qi (ERI) 2015-2017
Knutson, Andrea (CAS) 2016-2018
Payette, Jessica (CAS) 2016-2018
Purcell, Dean (CAS) 2016-2018
Mohammad-Reza Siadat (SECS) 2016-2017 (Graduate Council Representative)

Workshop

On September 16, 2016, at 12:00 the URC hosted a workshop for Faculty regarding the URC awards and process for applying. Julia Rodriguez, URC Chair, presented assisted by Susan Willner, Administrative Secretary Office of Research Administration.

The room was filled to capacity, faculty were engaged and asked follow-up questions. Slides from the presentation and a checklist were made available on the URC website. New this year, the chair made available a Google Drive folder of awarded applications from the previous year and shared the folder with any faculty member that requested access. The chair received permission from the previous awardees before sharing their applications.

Fellowship application review process

This year the committee chose to score the fellowship applications using a weighed scale to rate six dimensions of the applications.

1. Background
2. Significance
4. Clarity
5. Budget
6. Methodology

The scoring sheet and dimensions were based off a previous committee's process. The definitions for the dimensions and scoring sheet calculations will be shared with in-coming chair. Any interested faculty member can review these documents by contacting the URC chair.

Meetings and actions:

September 23, 2016: Charge, budget overview, confidentiality, fellowship review processes, student applications and introductions.

September 30, 2016: Fellowship review processes, score sheet, criteria, discrepancy with charge, student awards history.

November 11, 2016: Fellowships scores and process for selecting 28, student awards scoring.

November 21, 2016: Date emailed awards winner to ORA and stats for winners to committee.

December 2, 2016: Discussed Meadowbrook Hall applications, voted and selected winner. Emailed recommendation to ORA. Discussed possible changes to fellowship award criteria, consensus was to not change the teaching criteria at this time, consensus was to not group awards and that current system works. Discussed possibility of URC no longer handling student travel awards.

January 12, 2017: Finished reviewing student awards – sent email to ORA

January 13, 2017: Selected winners for the Research Excellence awards. Proposed that we rename awards to be less confusing to Faculty Research Fellowship and Faculty Research Grant. Discussed scoring for Faculty Research Awards (Grants).

March 10, 2017: Recapped research awards, Awarded 16 applications. Capped extra amount at \$1,500 - all applicants with 8-9 got full amount requested. Reviewed committee work and how to move forward with student award recommendation and charge. Emailed the list of 16 Faculty Research Awards (Grants) to be funded to the ORA.

March 20, 2017: Voted via online survey regarding URC's role with student awards and revising committee charge. Vote was unanimous for URC to no longer review student travel/research awards and clear up discrepancies in Committee's charge. Finished reviewing student awards – sent email to ORA.

March 18, 2017: Submitted memo to Senate Steering Committee about URC's decision regarding student awards and submitted a revised charge.

April 7, 2017: Received response from Steering Committee regarding charge revision.

April 7, 2017: President's Colloquium Discussion and Vote. Voted to recommend Matthew Fails, Assistant Professor, Political Science and his presentation entitled "The High Cost of Cheap Gasoline" for the 2017 President's Colloquium. Discussed Steering Committee memo and recommendations. Recapped of committee's work. Discussed possibly requiring fellowship awardees to share data and deposit their author accepted manuscripts in OUR@Oakland.

April 14, 2017: Emailed Provost regarding selection of 2017 President's Colloquium winner.

April 14, 2017: Submitted URC response to Senate Steering Committee's comments regarding charge revision.

April 19, 2017: Chair and Andrea Knutson met with Steering Committee members to discuss URC charge revisions.

April 21, 2017: Submitted final revision of URC charge to Senate Steering Committee.

May 17, 2017: Received confirmation from the President's office that **Professor Matthew Fails confirmed October 25, 2017 @ 11:30 am in the Banquet Rooms, Oakland Center for the President's Colloquium.**

Significant Topics of Discussion

- URC charge discrepancies.
- Role of the URC with student awards, moving student awards to Provost Committee.
- Possible ways to rework the fellowship process, whether to continue the non-teaching rule for the summer fellowships.

- Possible requirements for fellowship awardees for sharing data and depositing author accepted manuscripts in OU's institutional repository, OUR@Oakland.

Membership for 2016-2017 (Continuing)

Knutson, Andrea (CAS) 2016-2018 (chair)

Payette, Jessica (CAS) 2016-2018

Purcell, Dean (CAS) 2016-2018

Notes Regarding URC 2016-2017 Summary Decisions and Recommendations

A. Student travel

- The URC Membership voted unanimously (March 20, 2017) to no longer review student travel applications and recommends the \$4,000 from Oakland be moved over to the Provost Undergraduate/Graduate Student Research/Travel awards committee.
 - See Attached memo sent to Senate Steering Committee
- Provost student research/travel committee should be an official senate committee.

B. Committee charge inconsistencies

SENATE

*To encourage and promote scholarship, advanced studies, and **research among the faculty and staff** of the University.*

ORA

*The charge of the Committee is "to encourage and promote scholarship, advanced studies, and research among **students and the tenured and tenure-track faculty** of Oakland University". <http://wwwp.oakland.edu/research/general-information/URC/>*

Another discrepancy was noted - The URC charged specifically says tenure and tenure-track faculty but the criteria for the awards allows all bargaining unit faculty members (BFUMS) may of these are not eligible for tenure.

Final Charge revision Submitted- April 21, 2017

1. To encourage and promote scholarship, research and creative endeavors among the faculty of the University.
2. The Committee's responsibilities include, in particular, the evaluation of applications for intramural research funds and the allocation of these funds.
3. More generally, they include the protection and development of practices and policies conducive to the scholarly activity of Oakland University.

C. Fellowship awards

1. The consensus was **to not change the teaching criteria at this time.**
 - The committee can still allow for exceptions as it has in the past. Keeping the no teaching criteria in place protects junior faculty who are the majority of fellowship recipients. Also, eliminating this criteria would most likely increase the number of applicants, with no increase in budget so even more faculty members would be denied.
2. **No interest in grouping awards into specific criteria.**
 - The consensus was **that current system works.** There is representation from across disciplines.
 - Concerns raised were if we would have hard numbers for each group, what if none of the applications in that area were good, then we would not award them, so essentially we are comparing all applications to the whole group.

D. Rename awards to be less confusing

1. Change Faculty Research Fellowship Award (\$10,000) to **Faculty Research Fellowship Grant**
2. Rename Faculty Research Award (1,200) to **Faculty Research Grant**
 - This eliminates the confusion with the Research Excellence Awards.

E. Recommendation regarding membership

- Committee make-up be revised to be 10 eligible faculty instead of 8 eligible faculty and 2 faculty appointed from graduate council.

Rationale:

1. Graduate council members appointed often do not serve two year terms as their term on the Grad council may end. Resulting in more turn over in the URC committee.
 2. Restricting 2 appointments to Grad council limits the possibility for greater faculty diversity on the URC as Grad council members are limited in number and made up largely of faculty from programs offering graduate degrees.
 3. Grad council members often have a hard time participating in meetings as they are very busy with other appointments and the URC has a heavy workload.
- Memo to Senate Steering committee forthcoming in September 2017

F. Recommendations regarding data and manuscripts from fellowship awardees research.

- Committee members held a discussion regarding requiring fellowship awardees to share any data they purchase, obtain or create with all OU faculty through either the Oakland University's institutional repository, [OUR@Oakland](#) or if data is restricted or sensitive through an appropriate data repository such as [Inter-University Consortium for Political and Social Research \(ICPSR\)](#).
 - Rationale: URC funding is contract bargained money for all bargaining unit members, establishing this practice would extend the impact of the granted funds, eliminates

duplication of acquired data, more easily facilitates data sharing and research collaboration for OU researchers, ensures data preservation and access, and aligns with data sharing requirements from funders and publications.

- Committee members held a discussed requiring fellowship awardees to submit into [OUR@Oakland](#) a copy of their author accepted manuscripts that result from URC funding to OU's institutional repository, [OUR@Oakland](#).
 - Rationale: Establishing this practice would enable broad access to all published research outputs from URC funding and build a collection of scholarship and creative endeavors that can be showcased on the website. OU Libraries can facilitate the planning and process.

G. Changes requested to URC website:

1. Student funding - Remove information about student awards
2. Faculty Research Excellence - **Source of Funding:** ~~University Research Committee - Provost Office~~
 - a. The University Research Committee ~~selects~~ **nominates** an award recipient in one
....
3. ~~URC~~ **Provost** New Investigator Research Excellence awards - **The University Research Committee-nominates** an award recipient.

*Attachment A: Memo to Senate Steering Committee regarding student award committee.

*Attachment B: URC FINAL budget, list of awardees and award stats

In Appreciation

As chair, I am incredibly appreciative for the assistance provided by Sue Willner, Office of Research Administration this committee could not get its work done without her.

Respectfully submitted by:

Julia E. Rodriguez, Kresge Library

URC Chair, 2016-2017

June 6 , 2017

Date: May 1, 2017
To: Senate Steering Committee
From: 2016/2017 URC Committee Membership
Subject: Recommendation regarding student awards

The URC Membership voted unanimously (March 20, 2017) to no longer review student travel applications and recommends the \$4,000 from Oakland be moved over to the Provost Undergraduate/Graduate Student Research/Travel awards committee.

- a. Justification: Whereas the URC committee (2016-2017) determined that there is already a committee on campus handling student research/travel awards, whereas the URC can only award 8-9 awards annually (less than 40% of applicants), whereas the current Senate version of the URC charge does not include support for students, whereas it was brought to the Committee's attention that the current method for reimbursing travel violates IRS rules.
- b. The current URC committee chair reviewed URC committee reports dating back to 1969. The student research awards were originally funded by the Alumni Office, in 1996 the President's office assumed the funding responsibility to the amount of \$7,473. This amount was later reduced and has remained at \$4,000 since about the year 2000. Many years, the URC committee supplemented this reduced budget with URC funds. In 2002, and 2014, URC committee member voted to not allocate any URC funds for student awards. In 2006, 2007, 2008, URC committee members recommended that the budgetary amount received from Oakland for student awards be increased. In 2014, a URC student travel subcommittee found that the URC cannot use faculty-negotiated funds to support student grants, since this violates the faculty contract.
- c. **The URC Committee members strongly recommend that the current Provost Undergraduate/Graduate Student Research/Travel awards committee be established as an official Senate committee.** Currently, there is no transparency regarding committee membership and student awards. This recommendation has been discussed with the current chair of the Provost committee.

URC - FY 2017

6/1/2017

BUDGET

Carryover FY16 - Faculty	6,716
Carryover FY16 - Student	287
Budget FY17 - Faculty	310,000
Budget FY17 - Student	4,000
Total Budget FY17	321,003

ACTUAL

Faculty Research Fellowship Award Expense	67,421
Faculty Research Fellowship Award Stipends	212,579
Stipend Fringe	5,208
Faculty Research Award	21,235
Meadow Brook Hall Conference	3,000
Faculty Books and Reprints	1,255
Student Research/Travel Award	4,500
President Colloquium Series	0
Faculty Research Excellence Award	0
New Investigator Research Excellence Award	0
Total URC Awards	315,198

funded by Oakland
funded by president
funded by provost
funded by provost

Carryover to FY18 **5,805**

Faculty Fellowship Awards

Shadi Alawneh Department of Electrical and Computer Engineering	Exploring GPU Computing for Optical Flow Estimation in Embedded Systems	\$10,000
Seyed Ali Arefifar Department of Electrical and Computer Engineering	Solar PV System Design for Effective Long-Term Energy Management	\$10,000
Jacob Becker Department of Sociology and Anthropology	Neighborhood Immigrant Concentrations: The Importance of Historical Change for Detroit Metro Crime Rates	\$10,000
Rasul Chaudhry Department of Biological Sciences	Therapeutic Potential of Human Umbilical Cord Mesenchymal Stem Cells to Treat Low Back Pain	\$10,000
Megan Conrad Department of Industrial and Systems Engineering	Contributions of the Brain and Spinal Cord to Impaired Hand Muscle Activation after Stroke	\$10,000
Luis Villa Diaz Department of Biological Sciences	Elucidating the Role of Integrin $\alpha 6$ (CD49f) as a Common Biomarker of Stem cells	\$10,000
Courtney Donoghue Department of English	Breaking Hollywood's Glass Ceiling: Institutional Structures, Management Cultures, and Gender Inequity	\$10,000
Timothy Donahue Department of English	Fugitive Forms: Aesthetics, Sovereignty, and Unsettlement in North America's Borderlands	\$10,000
Erin Dwyer Department of History	A Proposal to Fund Continued Research for a Second Book Project on Slavery and Poison in the United States and the Caribbean	\$10,000
Amanda Hess Library	From Information Experts to Expert Educators: Academic librarians' perspective transformation in developing teaching identities	\$10,000
Tamara Hew Department of Exercise Science	Vitamin D Supplementation and Bone Turnover in NCAA D1 Collegiate Basketball Players: A Pilot Study	\$10,000
Timothy Hodge Department of Economics	Mitigating Noncompliance through Increased Enforcement and Payment Reductions: Evidence from Property Tax Delinquencies in Detroit, MI	\$10,000
Jonathan Maisonneuve Department of Mechanical Engineering	Experimental Investigation of Greenhouse-Integrated Solar Photovoltaics for Combined Food and Electricity Production	\$10,000
Craig Martin Department of History	Renaissance Meteorology in the Italian Vernacular	\$10,000
Weldon Matthews Department of History	Modernities in Contention: The US and Iraq, 1961–1967	\$10,000
Matthew May Department of Sociology and Anthropology	Secularization and Social Attitudes: 1972-2014	\$10,000
Matthew McLarnon Department of Psychology	Mindfulness and Resiliency: A Longitudinal and Experimental Approach to Resiliency Development	\$10,000
Karen Miller Department of History	Living in the Arsenal of Democracy: Life in Detroit during WW II	\$10,000

Faculty Fellowship Awards *(Cont.)*

Kuniko Nielsen Department of Linguistics	Developmental Changes of Phonological Representations During Adolescence	\$10,000
Diana Orces Department of Political Science	The Role of the Media on the Perception of Corruption	\$10,000
Maria Paino Department of Sociology and Anthropology	Substance Abuse Treatment Center Closures in the Private Sector	\$10,000
Hong Qian Department of Accounting and Finance	The Information Content of Seasoned Equity Issuers' S Filings and Prospectuses	\$10,000
Laurel Stevenson Department of Health Sciences	Building Positive Youth Development, Community Capacity, and Helping Behaviors at the Lawn Academy: A Community-Based Evaluation Research Study in Detroit	\$10,000
Crystal VanKooten Department of Writing and Rhetoric	Writing a Book Proposal for Compose, Revise, Reflect: Video Composition and the Teaching of Writing	\$10,000
Jennifer Vonk Department of Psychology	Catch as Cats Can: Can Domestic Cats Cooperate?	\$10,000
Keith Williams Department of Psychology	The Influence of Intermittent (Binge-Like) Saccharin Access on Subsequent Alcohol Self-Administration in Rats: Role of Stress	\$10,000
Ziming Yang Department of Chemistry	Climate Warming Effects on Enzyme Activity in Cold Soils	\$10,000
Wei Zhang Department of Physics	Building a Comprehensive Spin Transport Measurement Station	\$10,000

Total Faculty Fellowship Awards \$280,000

Faculty Research Awards

Claude Baillargeon Department of Art and Art History	The Chernobyl Photographs of David McMillan: A Twenty-Year Survey of Growth and Decay	\$1,500
Sara BlumerSchuette Department of Biological Sciences	Sticky situations at high temperatures: Correlating gene expression data to carbohydrate preference of microbial substrate binding proteins	\$1,200
Daniel DelVescovo Department of Mechanical Engineering	Designing and Building a Fuel-Flexible Single-Cylinder Engine Test Cell Capable of Operating Under Any Combustion Mode	\$1,200
Sumi Dinda Department of Health Sciences	The Effects of Epigallocatechin-3-gallate (EGCG) on Steroid Hormone Receptors in Breast Cancer Cells.	\$1,500
Mary Hartson Department of Modern Languages and Literatures	"Casting Spanish Masculinity in a Consumer Age"-Images	\$1,222
Anne Hranchook School of Nursing	An Analysis of Patient Storage, Use, and Disposal of Prescription Opioids Following Outpatient Surgery	\$1,100

Faculty Research Awards *(Cont.)*

Man Jin Department of Economics	How Important is "Adjustment Speed?" A Study of Firms' Leverage	\$1,170
John McEneaney Department of Reading and Language Arts	Comprehending Comics: An Interactive Model	\$800
George Milne Department of History	"Stretching the Boundaries of the Atlantic World: Africa and the Gum Arabic Trade in the Early Modern Era."	\$1,218
Valerie PalmerMehta Department of Communication and Journalism	Becoming a Militant Feminist: Andrea Dworkin's Dialogue with Feminists and New Left Publishers and Organizations, 1962-2001	\$1,500
Ravi Parameswaran Department of Management and Marketing	Funding For Fieldwork Expenses For a Survey Research Project on Sustainability	\$1,500
Lakshmi Raman Department of Psychology	Do Children Recognize the Impact of Physical Activities on Weight?	\$700
Galina Tirnanic Department of Art and Art History	Shame and Fear on the Streets of Constantinople	\$1,500
Matthew Tucker Department of Linguistics	The Grammar of Pronouns at a Distance: Typological Differences between English and Arabic	\$960
Anja Wieden Department of Modern Languages and Literatures	Female Agents of the Nazi State: The Atrocities of SS Wives, Nurses, and Secretaries in Eastern Europe	\$1,490
Ali Woerner Department of Music, Theatre and Dance	Take Root: The Infinite Abyss	\$1,450
Colin Wu Department of Chemistry	Mutational Analysis of the BRCA1 Tumor Suppressor	\$1,225

Total Faculty Research Awards \$21,235

Meadow Brook Hall Research Conference Award

Tomoko Wakabayashi Department of Human Development and Child Study	Research to Practice: Evidence-Based Practices for Addressing Challenging Behavior, Teacher Well-Being, and Family Engagement in Early Childhood Classrooms	\$3,000
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Additional Faculty Awards

Fabia Battistuzzi Department of Biological Sciences	Faculty New Investigator Research Excellence Award Nominated by Bradley Roth, Department of Physics	\$1,500
Craig Martin Department of History	Faculty Research Excellence Award Nominated by Todd Estes, Department of History	\$2,500
Matthew Fails Department of Political Science	President's Colloquium Series Award The High Cost of Cheap Gasoline	\$1,000

Student Research Awards		
Mary Asher, Undergraduate Richard Olawoyin, Mentor School of Health Sciences	Indoor Air Quality in river Rouge, Michigan and the Incidence of Asthma and Respiratory Issues	\$300
Jake Farnsworth, Undergraduate Evan Trivedi, Mentor Department of Chemistry	Luminescent Lanthanide Metal Complexes with Chromophoric Schiff Base Ligands	\$300
Katlyn Silva, Undergraduate Sanela Martic, Mentor Department of Biochemistry	Effects of Environmental and Biological Factors on Eye Lens Peptides	\$300
Total Student Research Awards		\$900

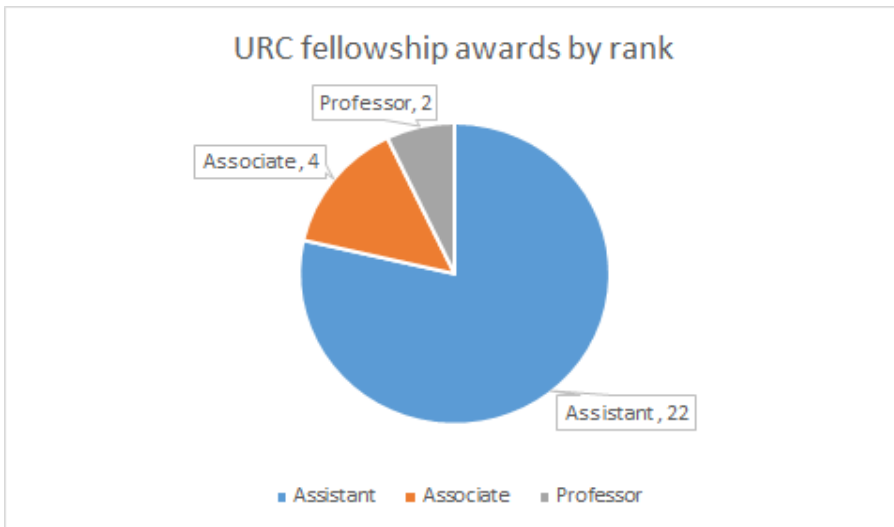
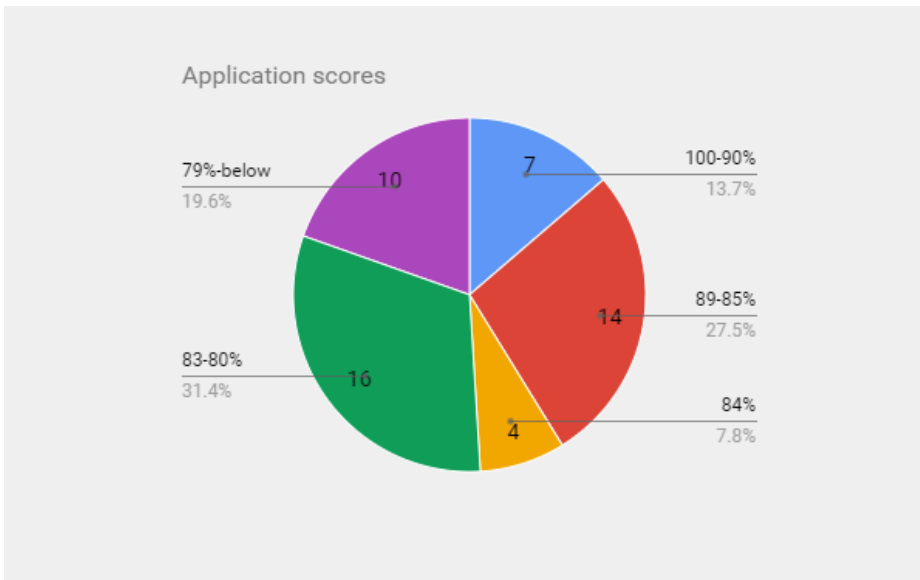
Student Travel Awards		
Ahmed Al-Muraeb, Graduate Hoda Abdel-Aty-Zohdy, Mentor Department of Electrical and Systems Engineering	High-Birefringence Photonic Crystal Fiber Structures Based on the Binary Morse-Thue Fractal Sequence	\$400
Katie Aleck, Undergraduate Sumit Dinda, Mentor School of Health Sciences	Regulation of Estrogen Receptor (ER) and BRCA1 by Bisphenol-S (BPS) in Breast Cancer Cells	\$400
Allyson Forest, Staff Jennifer Lucarelli, Mentor School of Health Sciences	A Participatory Approach to Engaging Community Members in Non-Motorized Transportation Policy Planning	\$400
Matthew Imhof, Graduate Sanela Martic, Mentor Department of Chemistry	Annual Meeting of the American Society for Biochemistry and Molecular Biology	\$400
Joshua James, Graduate Jacqueline Wiggins, Mentor Department of Music, Theatre & Dance	ISME Conference Workshop	\$400
Ahmad Mansour, Graduate Huirong Fu, Mentor Department of Engineering and Computer Science	Multi-Asymmetric Cryptographic RSA Scheme	\$400
Molly McGuire, Graduate Jennifer Vonk, Mentor Department of Psychology	Seasonal Changes in Cognitive Bias Assessed by Response Latency Task in Western Lowland Gorillas	\$400
Jason Sckrabulis, Graduate Thomas Raffel, Mentor Department of Biological Sciences	A metabolic theory approach to describe thermal acclimation effects in a host-parasite system	\$400
Kharananda Sharma, Graduate Bradley Roth, Mentor Department of Physics	A Multiscale Mechanical Bidomain Model of Cardiac tissue with Complex fiber Geometry	\$400
Total Student Travel Awards		\$3,600

URC fellowship scores 2016

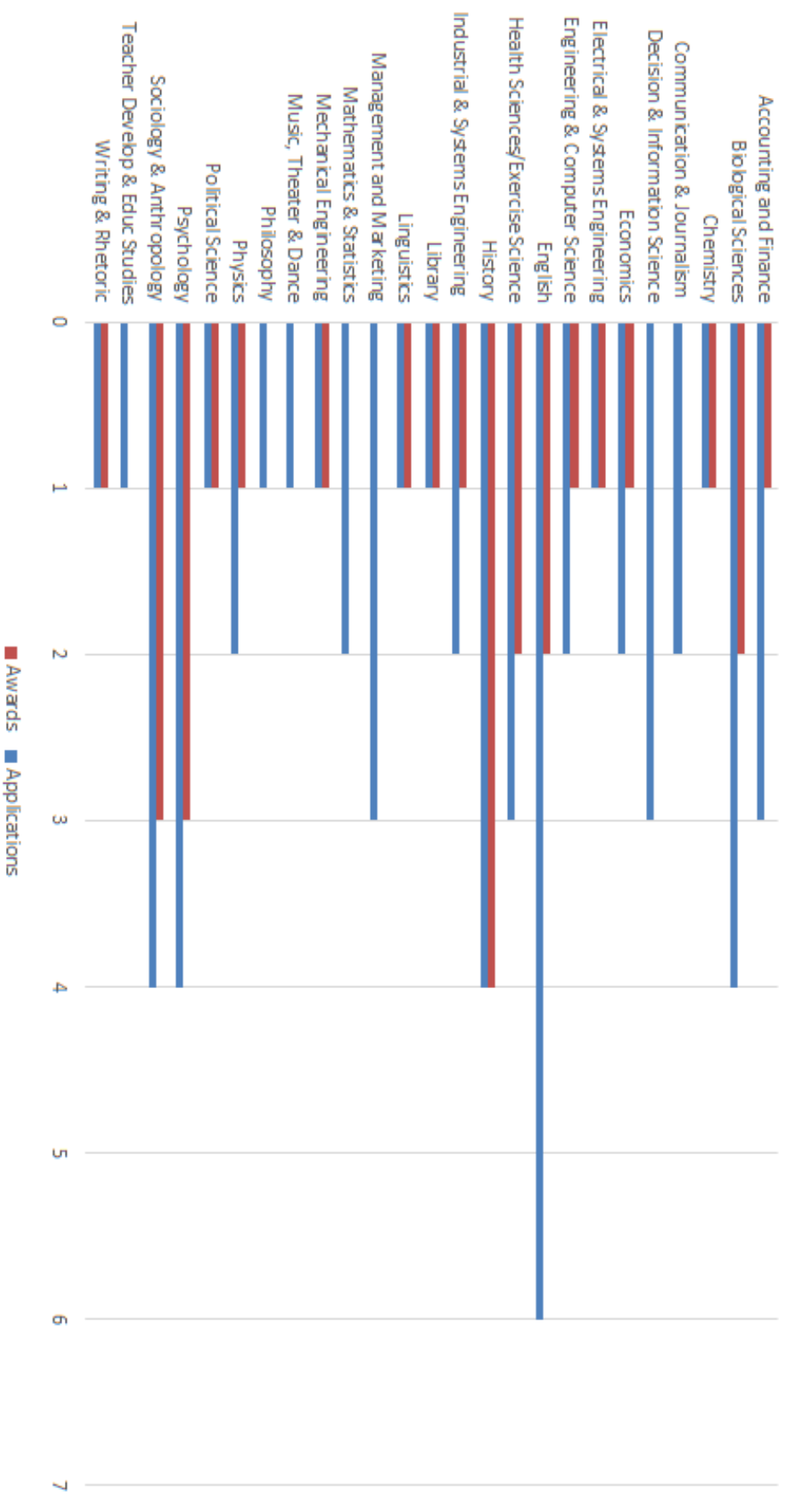
Scores breakdown - for 51 applications (56 received)

Score Charts

	Percentage score					Total
	100-90	89-85	84	83-80	79-below	
Numbers of applications	7	14	4	16	10	51
Previously awarded	2	7	0	3	4	16
more than once	1	2	0	0	0	3



URC summer 2017 fellowship awards/applications by department



Faculty Research awards 2017 by Department

Departments	Awards
Art and Art History	2
Biological Sciences	2
Chemistry	1
Communication & Journalism	1
Economics	1
History	1
Linguistics	1
Management & Marketing	1
Mechanical Engineering	1
Modern Languages & Literatures	2
Music, Theatre & Dance	1
Nursing	1
Psychology	1
	17

Faculty Research awards 2017 scores

Number of apps	Score
1	2
1	3
1	4
1	5
1	6
1	7
6	8
8	9